

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-49430	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Wildrose Resources Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2555 Cherryridge Road, Englewood, CO 80110		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1042' FSL & 2406' FWL (SE/SW) At proposed prod. zone Same		9. WELL NO. 24-35	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT <u>Eight Mile Flat North</u>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1042'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35, T8S, R18E	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Uintah	
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1450'		13. STATE Utah	
18. PROPOSED DEPTH 6050' <u>GARV</u>		14. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* October 1, 1991	
20. ELEVATIONS (Show whether DF, RT, GR, etc.) 4852' GR			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, J-55	300'	225 BX
7-7/8"	5-1/2"	14 & 15 1/2#, J-55	6050'	1000 BX

SEE ATTACHED EXHIBITS:

- A - Surveyors Plat
- B - 10 Point Plan
- C - B.O.P. Diagram
- D - 13 Point Surface Use Program
- E - Access Road Map & Existing Wells

- F - Production Facilities
- G - Pit and Pad Layout, Cuts and Fills
- H - Cross Sections and Dirt Quantities
- I - Well Site Layout (Rig)

SEP 09 1991

DIVISION OF
OIL GAS & MINING

EXCEPTION LOCATION: Wildrose Resources Corp. is requesting an exception location for this well due to topography and proximity of Riparian. The B.L.M. has requested and agreed to this location. The proposed drill site is 1042' from the closest lease line and 234' from the closest quarter-quarter line. All minerals involved are Federal. This certifies that all lands within 460' of the proposed location are owned 75.0% by Wildrose and 25.0% by Chorney Oil Company, in joint ownership, with wildrose designated as Operator.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Kenny Kattenberg</u> TITLE Vice President DATE September 4, 1991	
(This space for Federal or State office use)	
PERMIT NO. <u>43-047-30099</u>	APPROVAL DATE
APPROVED BY	TITLE
CONDITIONS OF APPROVAL, IF ANY:	
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: <u>9/11/91</u> BY: <u>Matthews</u> WELL SPACING: <u>615-3-3</u>	

*See Instructions On Reverse Side

N

T.
8
S.

BASIS of BEARING:

B.C.

A horizontal graphic scale bar with alternating black and white segments. Above the bar, numerical values are marked at 500, 0, 500, 1000, 1500, and 2500. Below the bar, the text "SCALE IN FEET" is printed.

Powers Elevation Co., Inc. of Denver, Colorado has in accordance with a request from Kary Kaltenbacher for Wildrose Resource Corp. determined the location of #24-35 Federal to be 1042'FS & 2406'FW Section 35, Township 8 S. Range 18 E. of the Uintah Principal Meridian, Uintah County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Licensed Land Surveyor No. 3894
State of New Mexico

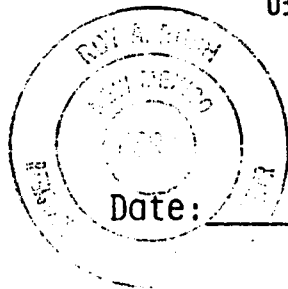


EXHIBIT B

TEN POINT COMPLIANCE PROGRAM OF NTL-6 APPROVAL OF OPERATIONS

1. The Geologic Surface Formation

The surface formation is the Uintah (Tertiary).

2. Estimated Tops of Important Geologic Markers

Green River	1560'
Wasatch Tongue	6000'
Total Depth	6050'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

No water bearing zones are anticipated

Green River 4000' - 6050' Oil

4. The Proposed Casing Program

<u>HOLE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE(OP)</u>	<u>WEIGHT, GRADE, JOINT</u>	<u>NEW OR USED</u>
12.25"	0 - 300'	300'	8-5/8"	24# K-55 ST&C	New
7-7/8"	0 - 6050'	6050'	5-1/2"	14 & 15.50# J-55 ST&C	New

Cement Program -

Surface Casing: 225 sacks Class "G" plus 2% CaCl₂

Production Casing: 300 sacks Lite Cement and 700 sacks Class "G" with additives

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole, Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be 2% KCl water with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be available to be added if pressure requires.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal</u>	<u>VISCOSITY sec/qt</u>	<u>FLUID LOSS cc</u>	<u>PH</u>
0-3600'	Fresh Water	8.4 - 8.6	28 - 30	NC	--
3600-6050'	2% KCl Water	8.6 - 8.8	30 - 34	NC	9.0

7. The Auxiliary Equipment to be Used

- a) An upper and lower kelly cock will be kept in the string.
- b) A float will be used at the bit.
- c) A mud logging unit and gas detection device will be monitoring the system.
- d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- a) No Drill Stem Tests will be run.
- b) The Logging Program: Dual Induction-SFL 300' - T.D.
Formation Density-CNL 4000' - T.D.
- c) No coring is anticipated.
- d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted for approval.

9. Any Anticipated Abnormal Pressures or Temperatures

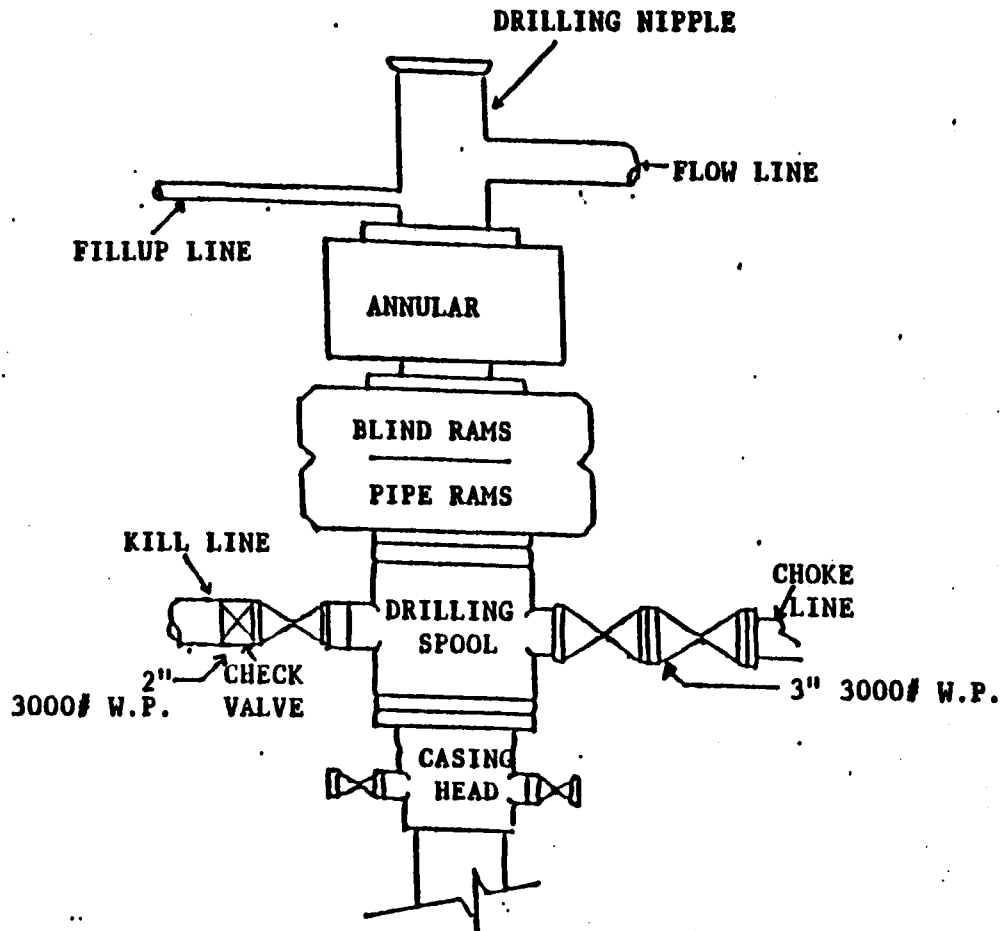
No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 2000 psi + or -.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations.

The anticipated starting date is October 1, 1991, or as soon as possible after examination and approval of drilling requirements. Operations will cover 10 days for drilling and 10 days for completion.

EXHIBIT C
BOP DIAGRAM



NOTE: BOP side outlets may be used in place of drilling spool.

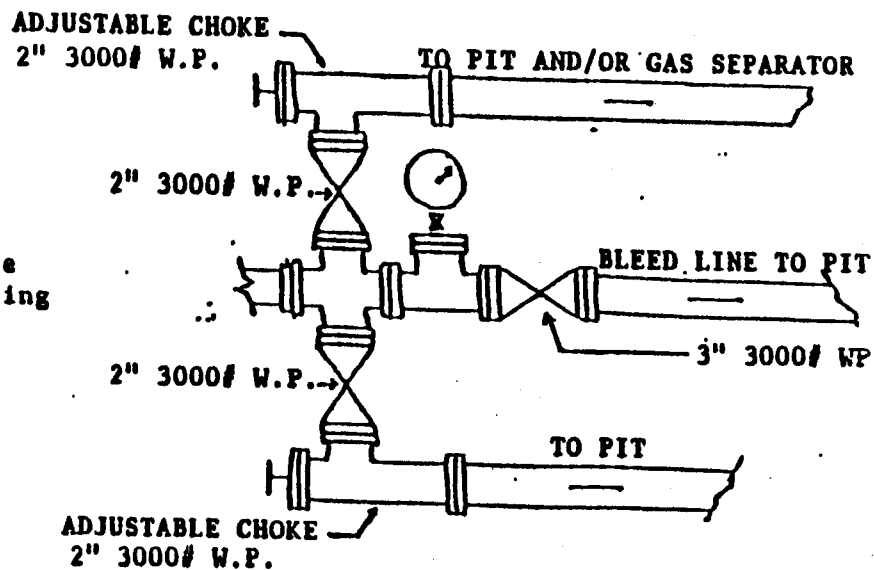


EXHIBIT D

WILDROSE RESOURCES CORPORATION
FEDERAL #24-35

Thirteen Point Surface Use Program

Multipoint Requirements to Accompany APD

NOTIFICATION REQUIREMENTS:

Location Construction - forty eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty four (24) hours prior to spudding the well.

Casing String and Cementing - twenty four (24) hours prior to running casing and cementing all casing strings

BOP and Related Equipment Testing - twenty four (24) hours prior to initiating pressure tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

1. Existing Roads

- A. The proposed well site and elevation plat is shown on Exhibit A.
- B. From Fort Duchesne go south 6 miles to bridge. Go across bridge and follow Leland Bench road 11 miles.
- C. See Exhibit E for access roads.
- D. There are no plans for improvement of existing roads. Roads will be maintained in present condition.

2. Planned Access Roads - (Newly Constructed)

This location will be accessed directly from the Uintah County road. In order to move location further from Riparian, the county road will be moved 100' to the east. Wildrose will obtain written authorization from Uintah County for moving road and submit a copy of the authorization to B.L.M. Road construction will meet all county requirements.

All travel will be confined to the Uintah County road.

A Right of Way application is not needed.

3. Location of Existing Wells Within a 1 Mile Radius

See Exhibit E

- A. Water wells - none.
- B. Abandoned wells - one.
- C. Temporarily abandoned wells - none.
- D. Disposal wells - none.
- E. Drilling wells - none.
- F. Producing wells - thirteen.
- G. Shut-in wells - none.
- H. Injection wells - none.

4. Location of Existing and/or Proposed Facilities

- A. On well pad - See Exhibit F for all production facilities to be used if well is completed as a producing oil well.
- B. Off well pad - N/A

If a tank battery is constructed on this lease, the pad will be surrounded by a dike of sufficient capacity to contain, at a minimum, 1-1/2 times the entire content of the tank battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

Tank batteries will be placed on the SE corner of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rock Mountain Five state Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is desert brown, 10YR.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in

the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

5. Location and Type of Water Supply

- A. Water supply will be from a permitted source.
- B. Water will be trucked across existing roads to location.
- C. No water wells to be drilled on lease.

6. Source of Construction Materials

- A. Native materials on lease will be used.
 - B. From Federal land.
 - C. N/A.
- A minerals material application is not required.

7. Methods for Handling Waste Disposal

- A.
 - 1) Drill cuttings will be buried in the reserve pit.
 - 2) Portable toilets will be provided for sewage.
 - 3) Trash and other waste material will be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.
 - 4) Salts - if any will be disposed of.
 - 5) Chemicals - if any will be disposed of.

B. Drilling fluids will be handled in the reserve pit. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in the reserve pit. Any oil in the reserve pit will be removed.

Burning will not be allowed. All trash must be contained in trash cage and hauled away to an approved disposal site at the completion of drilling activities.

The reserve pit shall be constructed so as not to leak,

break, or allow discharge.

The reserve pit will be lined.

A plastic nylon reinforced liner will be used, it will be a minimum of 20 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

Additionally, pits walls and bottom of pit will have either a bentonite liner amounting to 4 pounds per square foot or a plastic 12 mil thickness liner under the 20 mil thickness plastic liner. If the plastic sub-liner is used, straw will be placed between the plastic liners as a buffer.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

The operator will provide the B.L.M. a chemical analysis of the contents in the reserve pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the B.L.M. requirements, the contents and liner will be removed and disposed of at an authorized disposal site.

To protect nearby Riparian, the well pad will have a berm, a minimum of 1 foot high, constructed all around the pad prior to drilling. The berm will remain in place for the life of the well.

From the northwest corner of the well pad, which is the closest point of the pad to the cliff face, the edge of the cliff is 205' away on a straight north line and 175' away on a line going northwest. These would be the closest points from the well pad to the cliff face. These distances were shot by the surveyor with Powers Elevation Company. The cliff face is approximately 90' high.

8. Ancillary Facilities

A. Camp facilities or airstrips will not be required.

9. Well Site Layout

A. See Exhibit G & H.

B. See Exhibit G & I.

C. See Exhibit I.

The reserve pit will be located on the east side of pad.
The flare pit will be located downwind of the prevailing wind direction on the east side of the location a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil (first six inches) will be stored on the south and west sides of the location.

Access to the well pad will be directly from the county road.

The reserve pit shall be constructed long and narrow for topographic reasons.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a. 39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).

b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.

c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.

e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

f. The reserve pit will be adequately flagged to discourage water fowl from landing therein.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

10. Plans for Restoration of Surfaces

A. Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids removed and all cans, barrels, pipe, etc., will be removed.

The BLM will be contacted for required seed mixture.

B. Dry Hole/ Abandoned Location:

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership

Access Road: Federal
Location: Federal

12. Other Additional Information

A. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

- Whether the materials appear eligible for the National Register of Historic Places;

- The mitigation measures the operator will likely have

to undertake before the site can be used (assuming in situ preservation is not necessary); and

- A time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

13. Lessee's or Operators Representative and Certification Representative

Kary J. Kaltenbacher
Wildrose Resources Corporation
2555 Cherryridge Road
Englewood, CO 80110
Telephone: 303-761-9831

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his sub-contractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

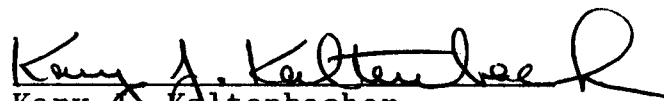
Self-Certification Statement:

Please be advised that Wildrose Resources Corporation is considered to be the operator of Federal Well No. 24-35, SE/4 SW/4 of Section 35, Township 8 South, Range 18 East; Lease Number U-49430; Uintah County, Utah; and is responsible for the operations conducted upon the leased lands. Bond coverage is provided by Statewide Oil and Gas Bond No. 229352, Allied Mutual Insurance Company, approved by the BLM effective October 26, 1987.

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Wildrose Resources Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: September 4, 1991


Kary J. Kaltenbacher
Vice President

Onsite Date: August 26, 1991

Participants on Joint Inspection

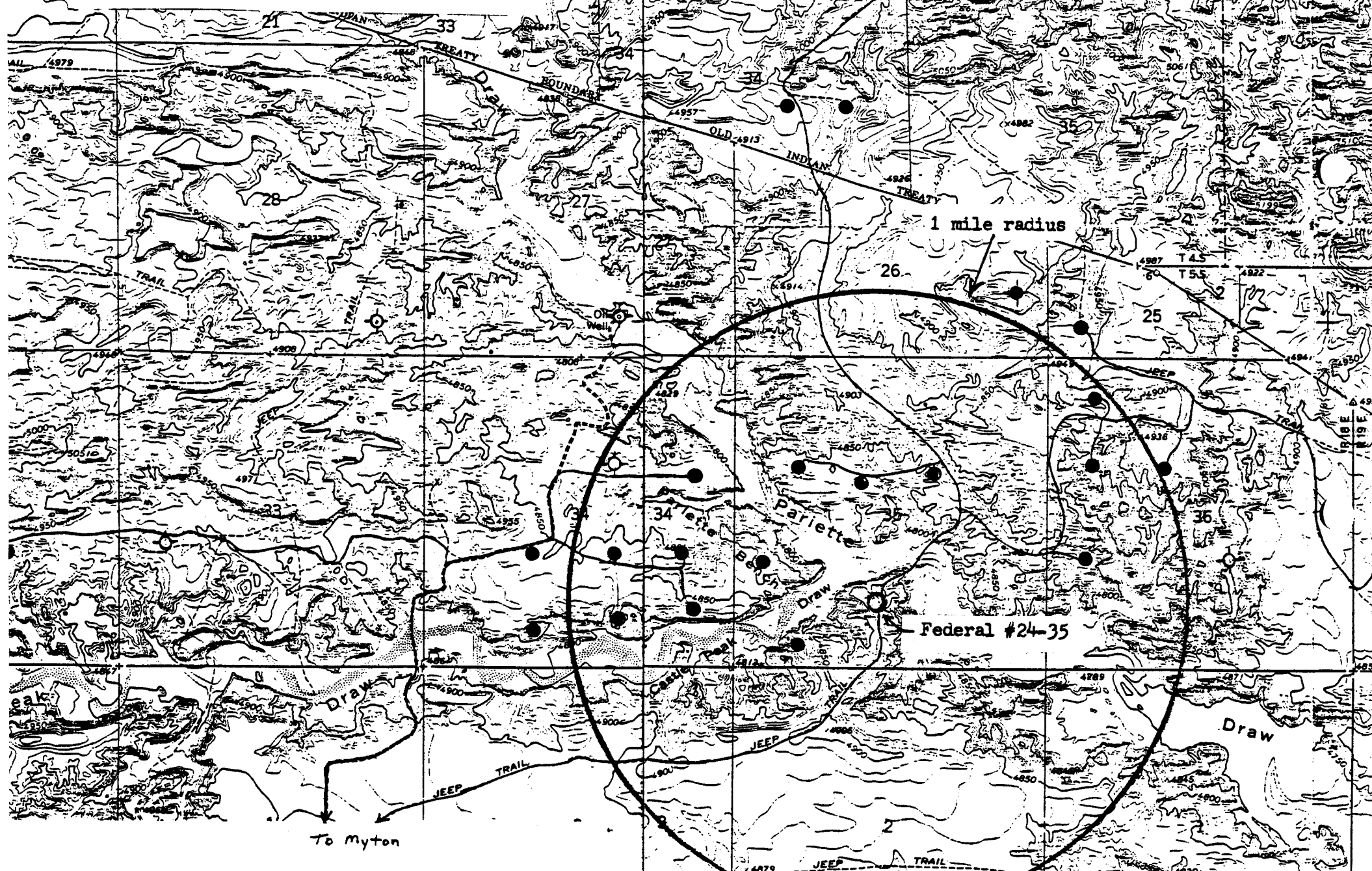
Kary J. Kaltenbacher
Ralph Brown
Kathleen L. Cox
Tim Faircloth
Leonard Chrissman
Lonnie Hogan

Wildrose Resources Corporation
BLM
Wildrose Resources Corporation
BLM
Powers Elevation
Uintah County Roads

EXHIBIT E

- Existing Road
- - - New Access Road
- ⊙ Abandoned Well
- Producing Well

To Fort Duchesne



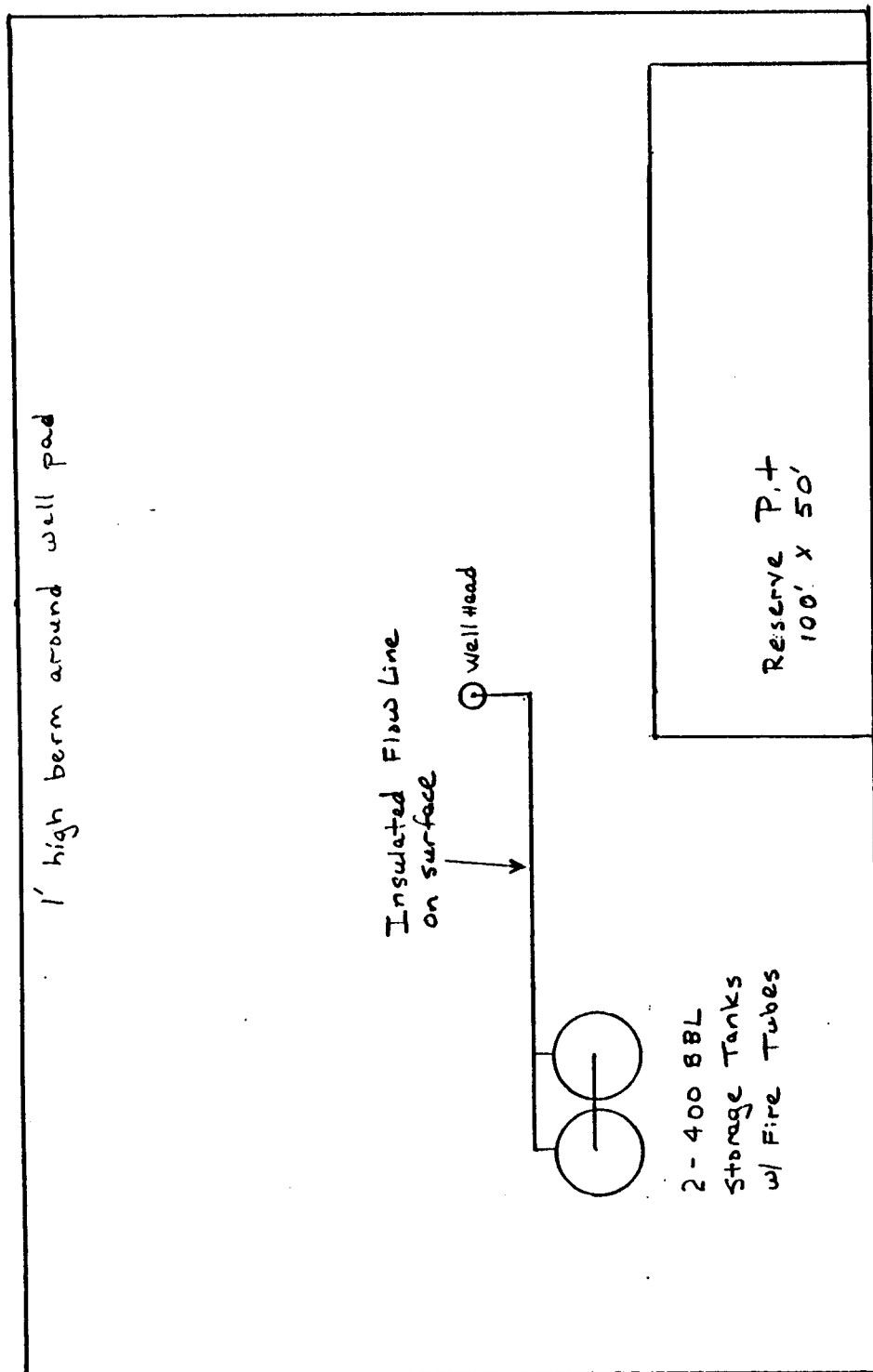
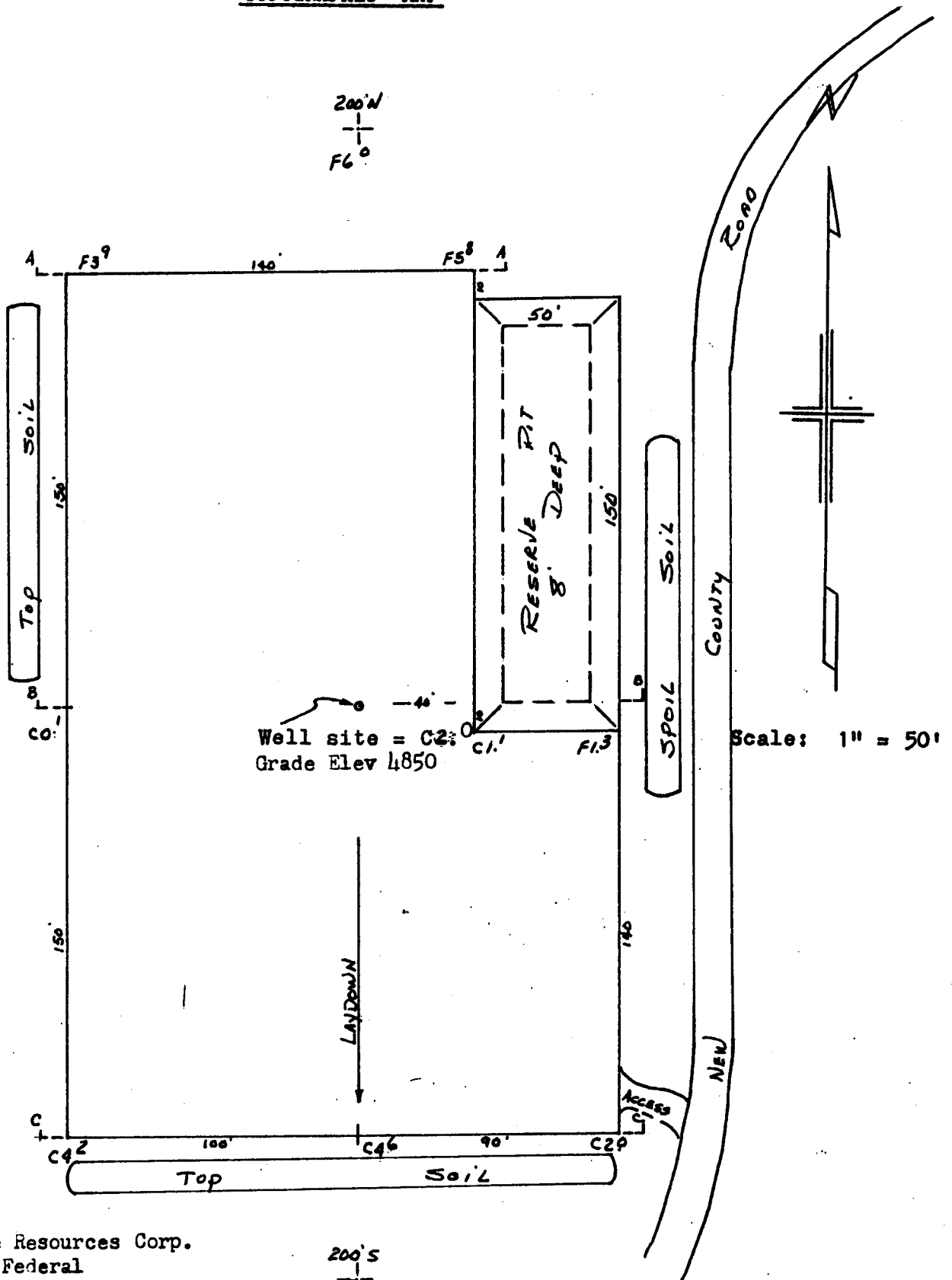


EXHIBIT F
PRODUCTION FACILITIES
SCALE: 1" = 40'



TOPOGRAPHIC MAP



Wildrose Resources Corp.

#24-35 Federal

1042'FS & 2406'FW 35-8S-18E

Uintah County, Utah.

by: Thomas A.
Powers Elevation
8-26-91

Wildrose Resources Corp.
#24-35 Federal
1042'FS & 2406'FW 35-8S-18E
Uintah County, Utah

A—



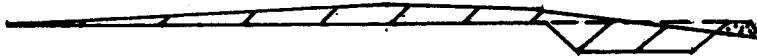
4850

— A

Cut 2709 Cu yds.
Fill 2032 " "
Pit cut 1540 " "

SCALE Vert 1" 20'
Horz 1" 50'

B—



4850

— B

C—



4850

— C

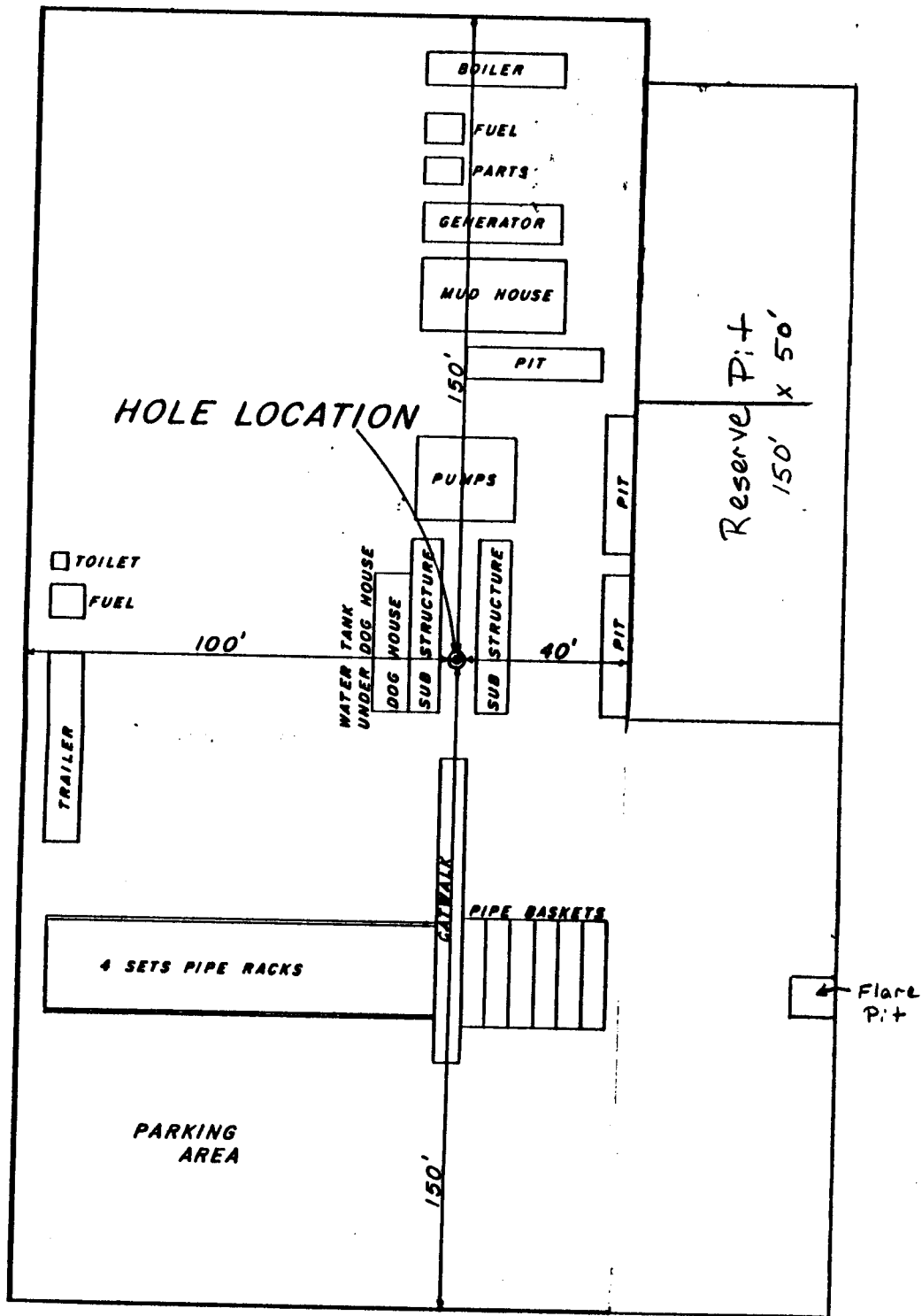
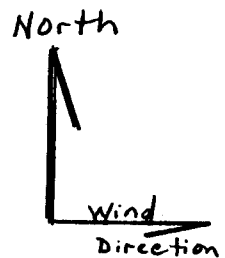


EXHIBIT I
WELL SITE LAYOUT
SCALE: 1" = 40'



OPERATOR Indiose Resources Corp N 9660 DATE 9-16-91
WELL NAME Adrenal Oil-35
SEC SESW 35 T 8S R 18E COUNTY Montah

43-047-30099
API NUMBER

Adrenal (1)
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|--|---|
| <input type="checkbox"/> PLAT. | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD SLBM | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:
Adrenal well drilled in Sec 35 producing in GRR formation
Water Permit
operation location requested

APPROVAL LETTER:

SPACING:	<input type="checkbox"/> R615-2-3	<u>N/A</u> UNIT	<input type="checkbox"/> R615-3-2
	<input type="checkbox"/>	<u>N/A</u> CAUSE NO. & DATE	<input checked="" type="checkbox"/> R615-3-3

STIPULATIONS:

1- needs water permit



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

September 16, 1991

Wildrose Resources Corporation
2555 Cherryridge Road
Englewood, Colorado 80110

Gentlemen:

Re: Federal #24-35 Well, 1042 feet from the South line, 2406 feet from the West line, SE SW, Section 35, Township 8 South, Range 18 East, Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change:
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R. J. Firth, Associate Director, (Home) (801) 571-6068.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
Wildrose Resources Corporation
Federal #24-35
September 16, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-32099.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other Instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Wildrose Resources Corporation

3. ADDRESS OF OPERATOR

2555 Cherryridge Road, Englewood, CO 80110

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1042' FSL & 2406' FWL (SE/SW)

At proposed prod. zone

Same

43-047-32099

DIVISION OF

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

OIL GAS & MINING

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1042'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1450'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

6050'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4852' GR

22. APPROX. DATE WORK WILL START*

October 1, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, J-55	300'	225 SX
7-7/8"	5-1/2"	14 & 15#, J-55	6050'	1000 SX

SEE ATTACHED EXHIBITS:

- A - Surveyors Plat
- B - 10 Point Plan
- C - B.O.P. Diagram
- D - 13 Point Surface Use Program
- E - Access Road Map & Existing Wells

F - Production Facilities

G - Pit and Pad Layout, Cuts and Fills

H - Cross Sections and Dirt Quantities

I - Well Site Layout (Rig)

EXCEPTION LOCATION: Wildrose Resources Corp. is requesting an exception location for this well due to topography and proximity of Riparian. The B.L.M. has requested that we be located to this location. The proposed drill site is 1042' from the closest lease line and 234' from the closest quarter-quarter line. All minerals involved are Federal. This certifies that all lands within 460' of the proposed location are owned 75.0% by Wildrose and 25.0% by Chorney Oil Company, in joint ownership, with Wildrose designated as Operator.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Kay J. Keltner

TITLE

Vice President

DATE

September 4, 1991

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Paul R. Leary

TITLE

ASSISTANT DISTRICT
MANAGER MINERALS

DATE

SEP 26 1991

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any statement or representations as to any matter within its jurisdiction.

44-080-117-207

RECEIVED

SEP 27 1991

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

DIVISION OF
OIL GAS & MINERAL

Company Wildrose Resources Co.

Well No. Fed. 24-35

Location NE/SW Sec. 26 T8S R18E Lease No. U-49430

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah Form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified at least 24 hours prior to initiating the pressure tests in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water zone, identified at + 317 feet.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem Tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized, and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil and Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well

for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine: (801) 789-3634

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids.

Revised November 1990

Date NOS Received 8/1/91

Because of nesting waterfowl and in order to reduce noise levels, an AJAX muffler system (similar to that used on existing Well No. 41-7 located in NENE, Sec. 7, T9S, R19E, SLM), or the equivalent, will be installed on the pumping unit. If this does not adequately reduce noise levels, the Authorized Officer may require a more restrictive muffler system.

DIVISION OF OIL, GAS AND MINING

API NO. 43-047-32099

SPUDDING INFORMATION

NAME OF COMPANY: WILDROSE RESOURCES CORPORATION

WELL NAME: FEDERAL 24-35

SECTION SESW 35 TOWNSHIP 8S RANGE 18E COUNTY UINTAH

DRILLING CONTRACTOR OLSEN

RIG # 5

SPUDDED: DATE 10-20-91

TIME 7:00 a.m.

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY CARY KALTEEN

TELEPHONE # 303-761-9831

DATE 10-22-91 SIGNED TAS/JLT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ACTION FORM - FORM 6

OPERATOR

ADDRESS

WILDROSE RESOURCES CORP.
2555 CHERRYBRIDGE ROAD
ENGLEWOOD, CO 80110

OPERATOR ACCT. NO. N 9660

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11275	43-047-32099	Federal #24-35	SE/SW	35	BS	18E	Utah	10/20/91 ^x	

LL 1 COMMENTS:

Fed. Lease

Field - 8 mile Flat North

Unit - N/A

Prop. Zone - GRV

(new entity 11275 added 10-30-91) ffp

LL 2 COMMENTS:

LL 3 COMMENTS:

LL 4 COMMENTS:

LL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

OCT 28 1991

DIVISION OF
OIL GAS & MINING

Kang J. Keltnerbock
Signature

V. P.

Title

10/24/91

Date

Phone No. (303) 761-9831

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File Feb 24-35

☐ Suspense

☐ Other

(Location) Sec 35 Twp 83 Rng 18E
(API No.) 43-047-32099

(Return Date) _____

(To - Initials) _____

1. Date of Phone Call: 10/29/91 Time: 9:00 PM

2. DOGM Employee (name) Frank Matthews (Initiated Call ☐)
Talked to:

Name Cary Kaltenbacher (Initiated Call ☒) - Phone No. ()

of (Company/Organization) Wildrose Resource Corp.

3. Topic of Conversation: Plugging of ref. well.

4. Highlights of Conversation: Fids will oversee plugging
on 10/30/91. TD 6050'

1st plug 4450'-4250'

2nd plug 2900'-2800'

3rd plug 1600'-1500'

4th plug 365'-265'

5th plug 50'-0'

Verbal approval 10-29-91

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-49430

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

24-35

10. FIELD AND POOL, OR WILDCAT

8 Mile Flat North

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 35, T8S, R18e,

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1a. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☐

DRY ☒

Other

b. TYPE OF COMPLETION:

NEW WELL ☒

WORK OVER ☐

DEEP-EN ☐

PLUG BACK ☐

DIFF. SERV. ☐

Other

2. NAME OF OPERATOR

Wildrose Resources Corporation

3. ADDRESS OF OPERATOR

2555 Cherryridge Road, Englewood, CO 80110

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1042' FSL & 2406' FWL (SE7SW)

At top prod. interval reported below

Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

43.047-32099

DEC 05 1991

DIVISION OF
OIL GAS & MINING

15. DATE SPUDDED

10/20/91

16. DATE T.D. REACHED

10/29/91

17. DATE COMPL. (Ready to prod.)

10/31/91

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4852' GR

4862' KB

19. ELEV. CASINGHEAD

4851

20. TOTAL DEPTH, MD & TVD

6050'

21. PLUG, BACK T.D., MD & TVD

--

22. IF MULTIPLE COMPL., HOW MANY*

--

23. INTERVALS DRILLED BY

ROTARY TOOLS

0' - TD

CABLE TOOLS

no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

n/a

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

ILL, MSFL, FDC-CNL MUD LOG 12-5-91

27. WAS WELL CORRED

no

28. CASINO RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	315'	12-1/4"	225 SX	--

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						PA'D	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs, Daily Reports

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Kay J. Ketterhake

TITLE

V.P.

DATE 12/2/91

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Green River	1558'	1558'
				Wasatch Tongue	5988'	5988'
			<u>Plugs:</u> 4434' - 4134' 100 sx Class "G" w/ 1 % CaCl ₂ 2896' - 2796' 45 sx Class "G" w/ 2% CaCl ₂ 1616' - 1516' 90 sx Class "G" w/ 3% CaCl ₂ 372' - 272' 40 sx Class "G" w/ 2% CaCl ₂ 90' - 15' 20 sx Class "G" w/ 2% CaCl ₂			

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
DRILLING INSPECTION FORM

COMPANY: WILDROSE RESOURCES

REPRESENTATIVE: CAREY KALTENBACHER

WELL NAME: FEDERAL # 24-35

API #: 43-047-32099

QTR QTR: SESW SECTION: 35

TWP: 08 SOUTH RANGE: 18 EAST

CONTRACTOR: OLSEN DRILLING

RIG #: 5 - GEORGE

INSPECTOR: CAROL KUBLY

TIME: 1130 HRS DATE: 10.28.91

OPERATIONS: DRILLING

DEPTH: 5934'

SPUD DATE: DRY:

RIG: 10.20.91 T.D DATE:

DEPTH:

=====

Y	WELL SIGN	Y	BOPE	Y	SANITATION
Y	FLOW LINE	N	BLOOIE LINE	N	H2S POTENTIAL
Y	ENVIRONMENTAL POLLUTION CONTROL			N	FIRE HAZARDS
Y	RESERVE PIT			Y	FLARE PIT
Y	FENCED			Y	LINES RUN
Y	LINED	Y	PLASTIC RUBBER BENTONITE		
Y	BOP RAM TEST RECORDED IN IADC BOOK?				
Y	BOP TRAINING RECORDED IN IADC BOOK?				
N/A	COMPLIANCE WITH PRESITE STIPULATIONS (IF NO, EXPLAIN BELOW).				

FEDERAL LEASE _____

=====

LEGEND: (Y) - YES : (N) - NO : (N/A) - NOT APPLICABLE

=====

REMARKS: RESERVE PIT 2/3 FULL. LOCATION OK.

LATEST DEVIATION SURVEY 1 1/2 DEGREES AT 5061'.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVEN. ☐ Other _____

2. NAME OF OPERATOR

Wildrose Resources Corporation

3. ADDRESS OF OPERATOR

2555 Cherryridge Road, Englewood, CO 80110

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1042' FSL & 2406' FWL (SE7SW)

At top prod. interval reported below

Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

43-047-32099

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

15. DATE SPUDDED

10/20/91

16. DATE T.D. REACHED

10/29/91

17. DATE COMPL. (Ready to prod.)

10/31/91

18. ELEVATIONS (OF RKB, RT, GR, ETC.)*

4852' GR

4862' KB

19. ELEV. CASINGHEAD

4851

20. TOTAL DEPTH, MD & TVD

6050'

21. PLUG, BACK T.D., MD & TVD

--

22. IF MULTIPLE COMPL., HOW MANY*

--

23. INTERVALS DRILLED BY

ROTARY TOOLS

0' - TD

CABLE TOOLS

no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

n/a

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

ILL, MSFL, FDC-CNL

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	315'	12-1/4"	225 SX	--

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)		
DATE OF TEST		HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD →	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE		CALCULATED 24-HOUR RATE →	OIL—BSL.	GAS—MCF.	WATER—BSL.		OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs, Daily Reports

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Kay J. Katterloe

TITLE

V.P.

DATE

12/2/91

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Green River Wasatch Tongue	1558' 5988'	1558' 5988'
			<u>Plugs:</u> 4434' - 4134' 100 sx Class 'G' w/ 1% CaCl ₂ 2896' - 2796' 45 sx Class 'G' w/ 2% CaCl ₂ 1616' - 1516' 90 sx Class 'G' w/ 3% CaCl ₂ 372' - 272' 40 sx Class 'G' w/ 2% CaCl ₂ 90' - 15' 20 sx Class 'G' w/ 2% CaCl ₂			

FEDERAL 24-35
1042' FSL & 2406' FwL (SE/SW)
SECTION 35, T8S, R18E
EIGHT MILE FLAT NORTH FIELD
UINTAH COUNTY, UTAH

Spud: 10/20/91
Compl: 10/31/91

GL: 4852'

PLUG #5: 90' - 15' W/
20 SX CLASS G W/ 2% CACL2

Base Of USDW @ 252'

PLUG #4: 372' - 272' W/
40 SX CLASS G W/ 2% CACL2

←12-1/4" hole

8-5/8", 24# Csg. @ 315'
Cmtd. w/225 sx to surf.

Uinta Formation @ Surface

Top of Green River Formation
@ 1558'

PLUG #3: 1616' - 1516' W/
90 SX CLASS G W/ 3% CACL2

←7-7/8" hole

PLUG #2: 2896' - 2796' W/
45 SX CLASS G W/ 2% CACL2

PLUG #1: 4434' - 4134' W/
100 SX CLASS G W/ 1% CACL2

Wasatch Tongue of Green
River Formation @ 5988'

TD @ 6050'

CURRENT WELLBORE DIAGRAM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1001-0135
Expires: September 30, 1990

3. Lease Designation and Serial No.

U-49430

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal #24-35

9. API Well No.

43-047-32099

10. Field and Pool, or Exploratory Area

8 Mile Flat North

11. County or Parish, State

Uintah County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Dry Hole

2. Name of Operator

Wildrose Resources Corporation

3. Address and Telephone No.

2555 Cherryridge Road, Englewood, CO 80110 303-761-9831

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1042' FSL & 2406' FWL (SE/SW)
Section 35, T8S, R18E, S1M

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☒
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☐
- Other
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection

(Note: Report results of multiple completion on Well Completion or
Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Per verbal approval from the B.L.M., the #24-35 well was plugged on 10/31/92 as follows:

Plug 1:	4434' - 4134'	100 sx Class G w/ 1% CaCl ₂
Plug 2:	2896' - 2796'	45 sx Class G w/ 2% CaCl ₂
Plug 3:	1616' - 1516'	90 sx Class G w/ 3% CaCl ₂
Plug 4:	372' - 272'	40 sx Class G w/ 2% CaCl ₂
Plug 5:	90' - 15'	20 sx Class G w/ 2% CaCl ₂

8.6 ppg 2% KCl water was pumped between plugs.

Geologic Tops: Green River - 1558' Wasatch Tongue - 5988'

The reserve pit has been fenced on the fourth side and a sundry has been filed with the B.L.M. to rehab this location in August 1992.

14. I hereby certify that the foregoing is true and correct

Signed Kary J. Keltner Title V.P.Date 5/1/92

(This space for Federal or State office use)

Approved by [Signature]
Conditions of approval, if any:Title Area ManagerDate 10-14-92

DIAMOND MTN. R.A.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

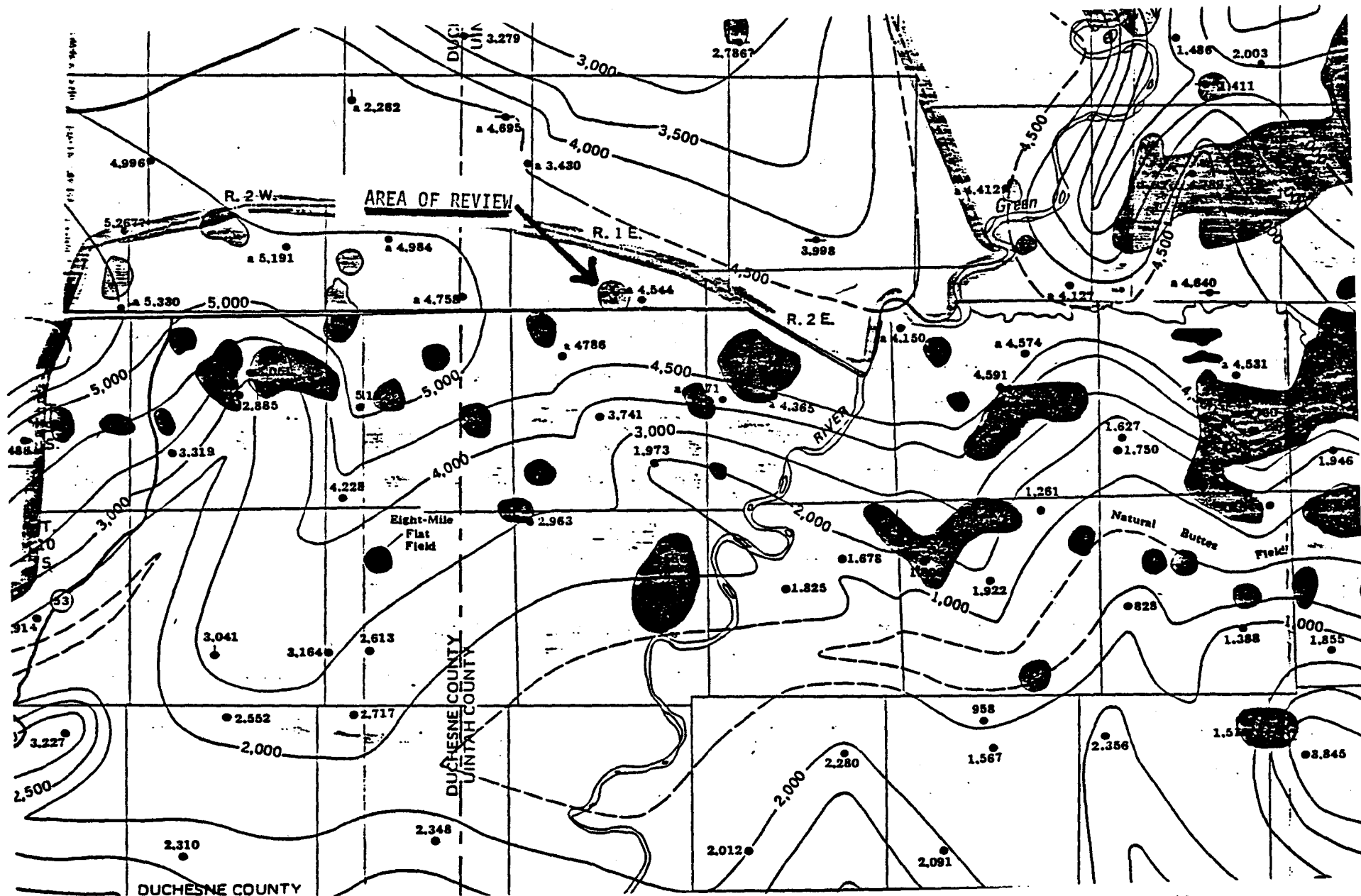
CONDITIONS OF APPROVAL ATTACHED
TO ORIGINAL COPY

(11)

ATTACHMENT E

NAME AND DEPTHS OF UNDERGROUND SOURCES OF DRINKING WATER (USDW):

The base of the Underground Sources of Drinking Water (USDW) was estimated for each well using a map entitled "Generalized Map of Moderately Saline Ground Water In The Northern Uinta Basin, Utah". This map is part of the Utah Department of Natural Resources Technical Publication No. 92. Figure 5 is a copy of the portion of this map covering the AOR and is part of Attachment E. From this map the base of the USDW within the AOR appears to be at an average of 4600' above sea level which falls within the Uinta Formation. The base of the USDW was calculated for each well by subtracting ground level elevation from 4600'. The USDW's were found at depths ranging from 209' to 276', which is above above the base of the surface casings. The USDW for each well is shown on the current wellbore diagrams within Attachment C.



GENERALIZED MAP OF MODERATELY SALINE GROUND WATER IN THE NORTHERN UINTA BASIN, UTAH

EXPLANATION

- DUCHESNE RIVER FORMATION AND UNDERLYING TERTIARY ROCKS—Either at land surface or underlying alluvial and glacial deposits, the Bishop Conglomerate, and Browns Park Formation
- MESOZOIC AND PALEOZOIC ROCKS—Either at land surface or underlying alluvial and glacial deposits, the Bishop Conglomerate, and Browns Park Formation
- PRECAMBRIAN ROCKS—Either at the land surface or underlying alluvial and glacial deposits, the Bishop Conglomerate, and Browns Park Formation
- KNOWN OIL AND GAS FIELDS
- WATER-QUALITY-ZONE CONTOUR—Shows altitude of base of moderately

Boundary between the Salt Lake meridian and base line survey system and the Uinta meridian and base line survey system

Boundary of the Uinta Basin drainage in Utah

WELL OR TEST HOLE AND ALTITUDE, IN FEET—Water salinity determined from geophysical logs. Horizontal line (a) indicates a well in which one or more intervals of fresh to moderately saline water is known (from chemical analysis) or believed (from analysis of logs) to occur more than 500 feet below the base of moderately saline water shown. Vertical line (b) indicates that well is at least 10,000 feet deep. "a" indicates the base of moderately saline is at or above the altitude listed. Altitude given is of the highest permeable interval shown on the geophysical logs. "b" indicates that either no very saline to briny water is present at the indicated site or the base of moderately saline water is below the bottom of the logs analyzed. Number shown is the altitude either of well bottom (water salinity

FIGURE 5

ATTACHMENT G

GEOLOGIC DATA ON INJECTION AND CONFINING ZONES:

1) Injection zones: The flooding objectives of the proposed Pariette Unit are lenticular channel and bar sandstones which are distributed throughout the Garden Gulch (Delta) and Douglas Creek Members of the Green River Formation. These sands are productive in an 1800' section of the Green River Formation ranging from depths of 4100' to 5900'. These productive zones are siltstones to very fine grained sandstones with average thickness of 15' and average porosity of 12 to 14%. The injection zone boundaries for the Pariette Unit are the Green River Marker bed occurring at an approximate depth of 3500' (see Figure 5 within this Attachment G) and the Wasatch Tongue of the Green River Formation occurring at an approximate depth of 6000'. All the wells within the AOR TD'd within the Wasatch Tongue. Due to the multiple pays within the pay section, Wildrose is requesting approval to inject water into any or all of the sands present within this interval.

The specific injection intervals are shown on the Proposed Water Injection Wellbore Diagrams which follow as part of this Attachment G.

Fracture gradient was calculated for each injection zone in the four proposed water injection wells. The fracture gradients were calculated using initial shut-in pressures (ISIP) from the frac jobs on each zone. All the frac jobs were flushed with 2% KCL water so a hydrostatic gradient of 0.43836 psi/ft was used in the calculations. The formula used was:

$$\text{Frac Gradient} = (\text{ISIP} + .43836 * \text{Depth}) / \text{Depth}$$

A calculation page showing all the frac gradient calculations follows as part of Attachment G and the frac gradients are also shown on Water Injection Wellbore Diagrams that follow. Copies of Daily Completion Reports follow each diagram for verification of the perforation intervals and ISIP's of each frac.

Copies of the produced water sample analysis for each of the four injection wells are enclosed here as part of Attachment G. An averaging of the analysis of the produced water from the injection intervals has Total Dissolved Solids of approximately 17,404 ppm. Also enclosed within Attachment G are the water analysis of two other wells within the Pariette Unit, 42-34D and 14-35D.

2) Confining Zones: The confining zones for the proposed injection intervals are the lacustrine and intercontinental shales interbedded with the sands and limestones within the Green River Formation. The top confining zone is the shales of the Green River Formation and the bottom confining zone is the shales of the Wasatch Tongue of the Green River Formation, which all the wells within the unit are TD'd in.

PARIETTE UNIT DEPTH PARAMETERS

<u>Well Name</u>	<u>Location</u> <u>T8S, R18E</u>	<u>KB</u>	<u>Depth of</u> <u>Unit Top</u>	<u>Subsea</u>	<u>Depth of</u> <u>Unit Base</u>	<u>Subsea</u>	<u>WellTD</u>
Fed. 1-34	Sec. 34: SESE	4874	3492	+1382	5980	-1106	6107
Fed. 2-34	Sec. 34: SWSE	4878	3489	+1389	5980	-1102	6125
Fed. 3-34	Sec. 34: NESW	4868	3505	+1362	5998	-1130	6204
Fed. 24-34D	Sec. 34: SESW	4890	3478	+1412	5972	-1082	6150
Fed. 32-34D	Sec. 34: SWNE	4833	3515	+1318	6012	-1179	6100
Fed. 33-34D	Sec. 34: NWSE	4868	3508	+1360	5991	-1123	6190
Fed. 42-34D	Sec. 34: SENE	4849	3519	+1330	6003	-1154	6250
Fed. 43-34D	Sec. 34: NESE	4844	3500	+1344	5982	-1138	6237
Fed. 1-35	Sec. 35: SWNW	4847	3543	+1304	6017	-1170	6200
Fed. 2-35	Sec. 35: SENW	4845	3543	+1302	6014	-1169	6250
Fed. 3-35	Sec. 35: SWNE	4875	3584	+1291	6040	-1165	6250
Fed. 14-35D	Sec. 35: SWSW	4824	3449	+1375	5921	-1097	6185
Fed. 13-35D	Sec. 35: NWSW	4864	3502	+1362	5994	-1130	6300

FIGURE 5